



FortiAuthenticator 200D

QuickStart Guide



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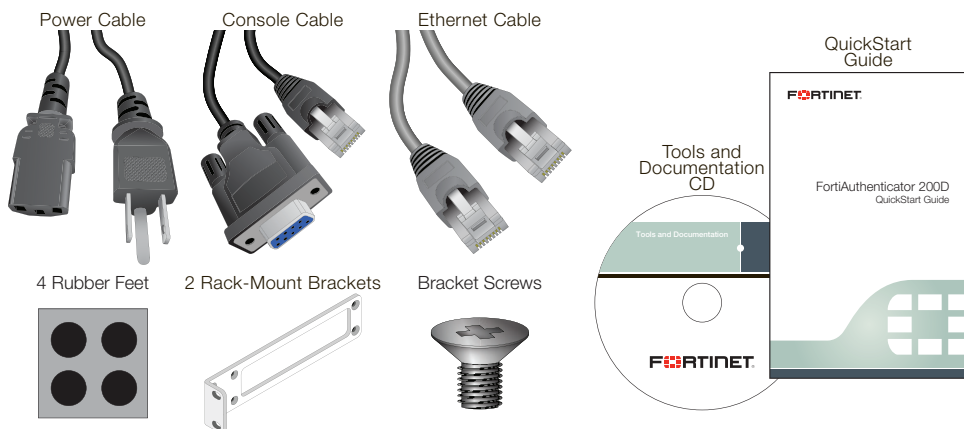
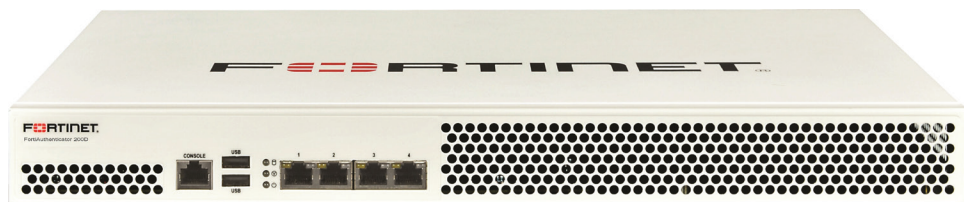
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Package Contents

Fortinet's consolidated security solutions provide an integrated set of core security and network services in a single, easy-to-manage, high performance appliance that is capable of supporting a wide range of deployment scenarios.

Your box contains the following:

- FortiAuthenticator 200D
- QuickStart Guide
- Tools and Documentation CD
- Power Cable
- Ethernet Cable
- Console Cable
- 4 Rubber Feet
- 2 Rack-Mount Brackets
- Bracket Screws



Installation

The FortiAuthenticator unit can be placed on any flat surface, or mounted in any standard 19 inch (48.3 cm) rack unit with the provided rack-mount brackets and screws.

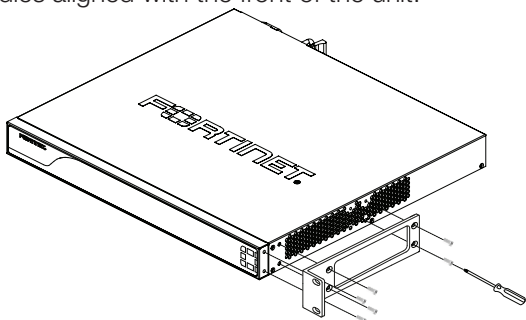
Caution: Electrostatic discharge (ESD) can damage your Fortinet equipment.

Caution: Do not place heavy objects on the unit.

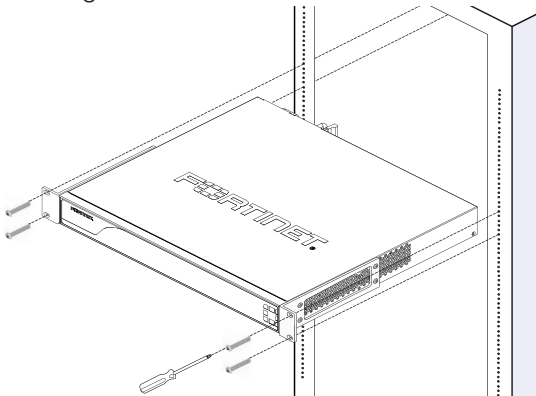
To install the FortiAuthenticator unit into a rack:

Caution: To avoid personal injury or damage to the unit, it is recommended that two or more people install the unit into the rack.

1. Ensure that the FortiAuthenticator unit is placed on a stable surface prior to rack-mount installation.
2. Attach the provided rack-mount brackets to the sides of the unit using the provided screws.
 - a. If you are installing the unit into a four-post rack, attach the rack-mount brackets with the handles aligned with the front of the unit.



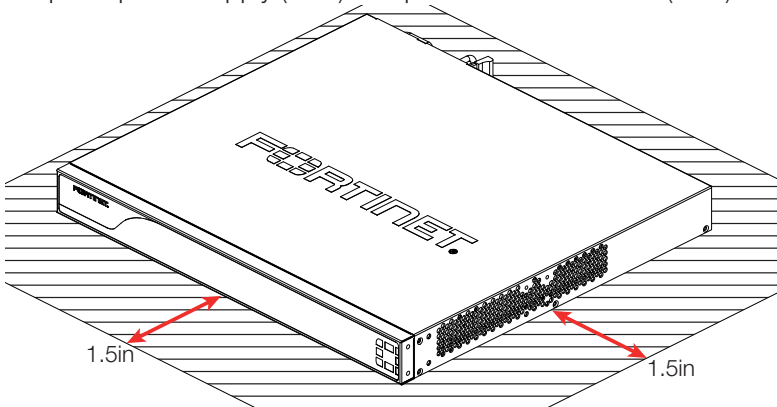
- b. If you are installing the unit into a two-post rack, attach the rack-mount brackets with the handles aligned with the middle of the unit.



3. Position the FortiAuthenticator unit in the rack. Ensure there is enough room around the unit to allow for sufficient air flow.
4. Line up the rack-mount bracket holes to the holes on the rack and ensure that the FortiAuthenticator unit is level.
5. Finger tighten four rack-mount screws to attach the unit to the rack.
6. Verify that the spacing around the FortiAuthenticator unit conforms to requirements and that the unit is level, then tighten the rack-mount screws with an applicable screwdriver.
7. Using the provided power cable, plug the cable into the rear of the unit, and then into a grounded electrical outlet or a separate power source such as an uninterruptible power supply (UPS) or a power distribution unit (PDU).

To install the unit on a flat surface:

1. Ensure that the surface onto which the FortiAuthenticator unit to be installed is clean, level, and stable and that there is at least 1.5 inches (3.81cm) of clearance on all sides to allow for adequate airflow.
2. Attach the provided rubber feet to the bottom of the FortiAuthenticator unit.
3. Place the unit in the designated location.
4. Verify that the spacing around the FortiAuthenticator unit conforms to requirements and that the unit is level.
5. Using the provided power cable, plug the cable into the rear of the unit, and then into a grounded electrical outlet or a separate power source such as an uninterruptible power supply (UPS) or a power distribution unit (PDU).



Connecting to the FortiAuthenticator

The FortiAuthenticator unit can be configured using the Web-based Manager or the Command Line Interface (CLI). This section will step you through both methods of connecting to the unit. Use whichever method you are most comfortable with.

To Connect to the Web-based Manager:

1. Connect the Port 1 interface of the unit to a management computer using the provided Ethernet cable.
2. Configure the management computer to be on the same subnet as the internal interface of the FortiAuthenticator unit:
 - a. Browse to the *Network and Sharing Center > Change Adapter Settings > Local Area Connection Properties > Internet Protocol Version 4 (TCP/IPv4) Properties*.
 - b. Change the IP address of the management computer to 192.168.1.2 and the netmask to 255.255.255.0.
3. To access the FortiAuthenticator unit's Web-based Manager, start an internet browser of your choice and browse to <https://192.168.1.99>.
4. Type `admin` in the *Name* field, leave the *Password* field blank, and select *Login*.

You can now proceed with configuring your FortiAuthenticator unit.

To Connect to the CLI:

1. Connect the FortiAuthenticator unit's console port to the management computer using the provided console cable.
2. Start a terminal emulation program on the management computer. Use the following settings:
 - Baud Rate: 9600
 - Data bits: 8
 - Parity: None
 - Stop bits: 1
 - Flow Control: None
3. Press *Enter* on your keyboard to connect to the CLI.
4. Type `admin` in the *Name* field, leave the *Password* field blank, and press *Enter*.

You can now proceed with configuring your FortiAuthenticator unit.

Reset the FortiAuthenticator unit to factory default settings:

To reset the FortiAuthenticator unit to the factory default settings from the CLI, enter the following command:

```
factory-reset
```

You can also reset the FortiAuthenticator unit using the Web-based Manager. Go to *System > Status*, select *Reset* in the System Information dashboard widget, and select *OK*.

Shutting Down the FortiAuthenticator unit:

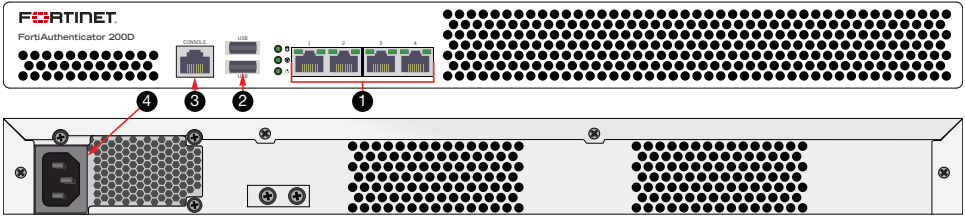
Caution: Not following this procedure can increase the risk of damaging or corrupting the unit's hard disk.

When powering off the FortiAuthenticator unit, always shut down the unit using the following procedures before disconnecting the power supply. To shut down the FortiAuthenticator unit using the CLI, enter the following command:

```
shutdown
```

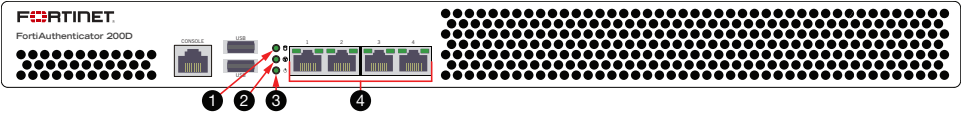
You can also shut down the FortiAuthenticator unit in the Web-based Manager. Go to *System > Status*, select *Shutdown* in the System Information dashboard widget, and select *OK*.

Technical Specifications



#	Interface	Type	Description
1	Ethernet Ports 1 - 4	RJ-45	Gigabit Ethernet ports for connection to your network and the Internet.
2	USB Ports 1 - 2	USB A	Not in use.
3	Console	RJ-45	Optional connection to the management computer. Provides access to the CLI.
4	Power Connection		100-240V AC, 60-50Hz, 4-2A

LED Specifications



#	LED	State	Description
1	Hard Disk Drive (Top LED)	Amber	Activity on the hard disk drive.
2	Alarm (Middle LED)	Off	System is normal.
		Red	System failure.
3	Power (Bottom LED)	Green	The unit is on.
4	Ethernet Ports Activity (Left LED)	Amber	Port is active.
		Flashing Amber	Port is transmitting and receiving data.
		Off	No cable is connected to the port.
4	Ethernet Port Speed (Right LED)	Green	Port is connected at 1 Gbps.
		Amber	Port is connected at 100 Mbps.
		Off	Port is connected at 10 Mbps.

Cautions and Warnings

Please review the following cautions and warnings.

Environmental and mounting specifications

Operating temperature: 0 - 40°C (32 - 104°F)

If you install your Fortinet product in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient temperature. Therefore, make sure to install the equipment in an environment compatible with the maximum ambient temperature (T_{ma}) specified by the manufacturer.

Storage temperature: -25 - 70°C (-13 - 158°F)

Humidity: 5 to 95% non-condensing

Operating Altitude: <2250m (7400ft)

Air flow: Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

For free-standing installation, make sure that the appliance has at least 1.5 inches (3.81 cm) of clearance on each side to allow for adequate air flow and cooling.

Mechanical Loading: Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

Circuit Overloading: Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring.

Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

Reliable Earthing: Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).

Federal Communication Commission (FCC) – USA

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received; including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

WARNING: Any changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Industry Canada Equipment Standard for Digital Equipment (ICES) – Canada

CAN ICES-3 (A) / NMB-3 (A)

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

Voluntary Control Council for Interference (VCCI) – Japan

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があります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。VCCI - A

Bureau of Standards Metrology and Inspection (BSMI) – Taiwan

這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

China

此为A级产品，在生活环境中，该产品可能会造成无线电干扰。这这种情况下，可能需要用户对其采取切实可行的措施。

European Conformity (CE) - EU

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

Grounding

Ensure your Fortinet product is connected and properly grounded to a lightning and surge protector. WAN or LAN connections that enter the premises from outside the building should be connected to an Ethernet CAT5 (10/100 Mb/s) surge protector.

Shielded Twisted Pair (STP) Ethernet cables should be used whenever possible rather than Unshielded Twisted Pair (UTP).

Do not connect or disconnect cables during lightning activity to avoid damage to your Fortinet product or personal injury.

Electrostatic discharge (ESD) can damage Fortinet equipment. Only perform the procedures described in this document from an ESD workstation. If no such station is available, you can provide some ESD protection by wearing an anti-static wrist strap and attaching it to an available ESD connector or other bare metal object.

Caution: For devices that contain a battery, risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to your local regulations.

Documentation and Links

The following Fortinet web pages provide information and resources for your Fortinet product:

1. Customer Service & Support: <https://support.fortinet.com>

On this page you can create a support account with Fortinet, register and manage your products, download updates, firmware images and release notes, and create technical support tickets.

2. Technical Documentation: <http://docs.fortinet.com>

This page provides the most up-to-date versions of Fortinet publications for the entire family of Fortinet products. The following guides more information on the installation and configuration of your FortiAuthenticator unit:

- Administration Guide: This guide describes initial configuration of your FortiAuthenticator unit, system maintenance, FortiToken, LDAP, Fortinet Single Sign On (FSSO), and certificate management..
- FortiOS User Authentication Handbook: This guide describes types of authentication, user groups, FortiToken, FSSO, authentication servers, and configuring authenticated access.
- FortiToken 200 QuickStart Guide: This guide describes how to activate the FortiToken unit, assigning FortiToken to users, and secure login with the FortiToken unit.

3. Knowledge Base: <http://kb.fortinet.com>

This page provides Fortinet technical documentation, such as troubleshooting, how-to articles, example configurations , FAQs, technical notes, and more.

4. Technical Discussion Forums: <https://support.fortinet.com/forum>

This page allows you to communicate with other customers and Fortinet partners about Fortinet products, services, and configuration issues in a forum environment.

5. Training Services: <http://training.fortinet.com>

This page provides course descriptions, availability, schedules, and locations of training programs in your area.

6. FortiGuard Threat Research and Response: <http://www.fortiguard.com>

This page provides up-to-date information on vulnerabilities and threats, and includes a virus scanner, Internet Protocol (IP) signature look-up, web filtering tools, and related information.

Tools and Documentation CD

The tools and documents on this CD are current as of shipping time.

Comments on Technical Documentation

Please send comments or information about any errors or omissions in this or any Fortinet technical documents to techdoc@fortinet.com.

Register Your Product

If you did not register your Fortinet product using the FortiExplorer wizard, please register your product now.

Register

Register your Fortinet product in order to receive:

- Technical Support
- New product features
- Protection from new threats

Enregistrer

Vous devez enregistrer le produit pour recevoir:

- Support technique
- Nouvelles fonctionnalités du produit
- Protection contre de nouvelles menaces

Registra

La reistrazione ti permette di usufruire di:

- Supporto Tecnico
- Nuove funzionalita
- Protezione dalle ultime minacce

Registrar

Debe registrar el producto para recibir:

- Apoyo técnico
- Nuevas funcionalidades del producto
- Protección contra ataques

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